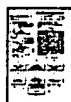




[IPN Home](#) | [Search](#) | [Order](#) | [Shopping Cart](#) | [Login](#) | [Site Map](#) | [Help](#)



JP10297913A2: ACTIVE CARBON TREATED BY CHITOSAN FOR DEODORIZING AND DECOLORING SURFACTANT AND DEODORIZING AND DECOLORIZATION OF SURFACTANT USING THE SAME

[View Images \(1 pages\)](#) | [View INPADOC only](#)

Country: **JP Japan**

Kind:

Inventor(s): **KIKUCHI RYUJI
FUJII TAMOTSU**

Applicant(s): **KAWAKEN FINE CHEM CO LTD**
[News, Profiles, Stocks and More about this company](#)

Issued/Filed Dates: **Nov. 10, 1998 / April 23, 1997**

Application Number: **JP1997000105778**

IPC Class: **C01B 31/08; A61K 7/00; B01F 17/00; B01J 20/20; C08B 37/08;**

Abstract: **Problem to be solved:** To provide a method for deodorizing and decoloring a surfactant in which the surfactant can be deodorized and decolored with a simple apparatus according to simple operations at a low cost in a short time without elution into the surfactant by bringing the surfactant into contact with active carbon treated with chitosan used for deodorizing and decoloring of the surfactant.
Solution: Chitosan used for treatment of active carbon is an almost colorless and odorless white powder available at a low cost. The chitosan is obtained by deacetylating chitin which is a natural product obtained from shells of crabs and lobsters, has no toxicity, irritation and biodegradability and is used as foods, cosmetics and detergents. The chitosan is a polyamine polymer and, therefore, acts as a flocculant to entrap, connect and flocculate the active carbon grains. The active carbon treated by the chitosan is obtained by initially dissolving the chitosan in a dilute acid, suspending the active carbon in the resultant solution, regulating the liquidity to a neutral or an alkaline one, precipitating the chitosan and integrating the chitosan with the active carbon. The molecular weight of the chitosan is $\leq 4,000$ without limitation thereon if the chitosan may be soluble in the dilute acid. The amount of the chitosan used is 0.05-50 wt.% based on the active carbon.
COPYRIGHT: (C)1998,JPO

Other Abstract Info: none